

25X1

Science and Weapons Daily Review

Thursday 7 March 1985

Top Secret

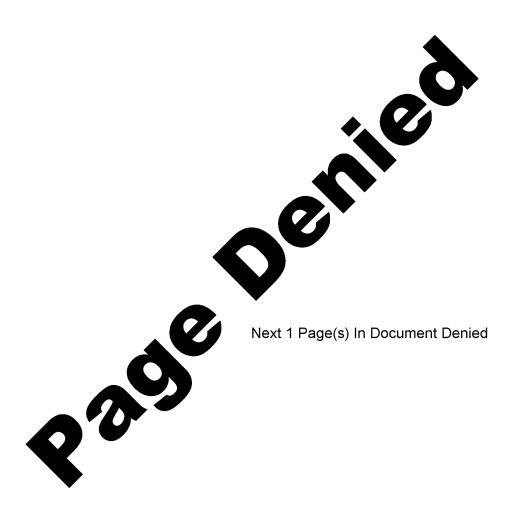
SW SWDR 85-042C 7 March 1985

25X1

Copy 251



CONTENTS	
CONTENTS	
CONTENTS	
CONTENTS	
7 MARCH 1985	
3 USSR: CHEMICALS USED TO ENHANCE HUMAN PERFORMANCE	
the Soviets are researching the use of chemical substances to increase the	
tolerance of some athletic and military personnel to variations in temperature and oxygen levels; a military	
application may be to increase resistance of pilots of high- performance aircraft to the symptoms of hypoxia	
4 KEY JUDGMENTS: IRAQ'S NUCLEAR PROGRAM: ACQUIRING A NUCLE	A D
FUEL CYCLE	:AR 2
Israel's destruction of Iraq's principal research reactor in 1981 and war-related economic difficulties have not dampened	
Iraq's interest in enhancing its nuclear capabilities, skills, and facilities, but it is still at least a decade	
away from having facilities that could support nuclear weapons development.	2
	2



Sanitized Copy	Approved for Release 20	010/04/19 : CIA-RDP86R00254R00	00301780001-1
			25X1
R: CHEMICALS USE	ED TO ENHANCE HUMAN	I PERFORMANCE	25X1
			25 X 1
	chemical sub	stances produced from plants are	
		abilities of Soviet athletes and	25 X 1
military personnel		nces increase physical tolerance	
		s. The Moscow Institute of lympic athletes and does major	25X1
	esearch on performance		25X1
Comment:			
agents to improve gain a better unde performance, we b pharmacological re	esearch includes the use the efficiency of militar rstanding of the effects relieve they will attempt	that Soviet of both conventional and new by personnel. As the Soviets of biochemical changes on hum to use the results of the problems in a variety of	25 an
military functions.			25X1
treat the symptom high g forces expe causing pilots to lo levels of oxygen co	s of hypoxia in pilots of prienced during aircraft i ose consciousness. Dru ould enable pilots to ma	e Soviet research may be to high-performance aircraft. The maneuvers can reduce blood flow gs that increase tolerance to lovaintain control of aircraft longer	
	resistance to the symp and impaired psychomo	toms such as loss of peripheral tor functions.	25X1
			25 X 1
			25
	3	7 MARCH 1985 SW SWDR 85-042C	

Sanitized Copy Approved for Release 2010/04/19 : CIA-RDP86R00254R000301780001-1

SW SWDR 85-042C

	opy Approved for Release 2010/04/19 : CIA-RDP86R00254R000301780001-1	25
		25X ⁻
KEY	JUDGMENTS: IRAQ'S NUCLEAR PROGRAM: ACQUIRING A NUCLEAR FUEL CYCLE	
	The following Key Judgments are reprinted from a recently published Research Paper produced by the Office Near Eastern and South Asian Analysis	25
		25
	Israel's destruction of Iraq's principal research reactor in 1981 and war-related economic difficulties have not dampened Iraq's interest in enhancing its nuclear capabilities, skills, and facilities. Iraq, however, is still at least a decade away from having nuclear facilities with the potential to support nuclear weapons development.	25
	Iraqi President Saddam Husayn has long advocated the development of an "Islamic bomb" that would give the Arab states strategic leverage over Israel.	25 25
	In our view, Saddam also believes that development of a nuclear weapons capability would advance Iraq's security interests in the region. A nuclear capability would further Baghdad's goal of becoming the preeminent Arab state in the Persian Gulf and might serve as a long-term deterrent to a vengeful Iran.	25
	Despite Baghdad's interest in pursuing nuclear research, Iraq will have to depend on extensive foreign assistance and technology to master virtually all aspects of the nuclear cycle. Fear of losing access to vital foreign technology should inhibit any desire to violate international safeguards.	25

7 MARCH 1985 SW SWDR 85-042C

nitized Copy Approved for Release 2010/04/19 : CIA-RDP86R00254R000301780001	
	25X1
	25 X 1
We anticipate that, when its war with Iran ends, Baghdad will accelerate its efforts to complete a nuclear fuel cycle. Until then, we expect Baghdad to try to exploit the "gray market" to acquire nuclear materials and technology. Since 1980, Iraq has concentrated on using European intermediaries to buy otherwise unavailable US technology and on breaking down orders for equipment into subcomponents not subject to export controls in the European vendor countries. Although results have been mixed, we expect Baghdad to continue using these methods	25 25
Iraq's dogged pursuit of a nuclear fuel cycle will also impinge on US interests by:	
Demonstrating that the gray market can be used to evade US efforts to promote tighter international controls over nuclear trade.	25 X 1
Circumventing US export controls and policies by employing West European intermediaries to obtain US-origin goods	25X1
	25X1
7 MARCH 1985 5 SW SWDR 85-042C	

Sanitized Copy Approved for Release 2010/04/19 : CIA-RDP86R00254R000301780001-1

Top Secret

Top Secret